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Kawneer

STORE FRONTS

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ALPHABETICAL



KAWNEER STORE FRONTS

A Reference Book for Architects, Contractors, Merchants, and Building Owners

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THE KAWNEER COMPANY, NILES, MICH.

C A T A L O G U E O . P U B L I S H E D 1 9 3 4

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KAWNEER

THE ORIGINAL RESILIENT AND RUSTLESS METAL STORE FRONT CONSTRUCTION

Back in 1905 the Kawneer Company was founded by a practicing architect, to correct the many deficiencies of prevailing methods of holding glass; to produce better store fronts that would meet the exacting requirements of architects, contractors, merchants and building owners; to pioneer the first resilient, rustless, hollow-metal store front.

The Kawneer idea met with immediate acceptance and the demand for this new and better kind of store front spread rapidly. Many improvements and refinements were made and the Kawneer plant was expanded again and again to meet vast production needs. As the years passed, hundreds of thousands of Kawneer Store Fronts were installed — well over 400,000 up to 1934. Kawneer gained world-wide recognition as standard in store front construction.

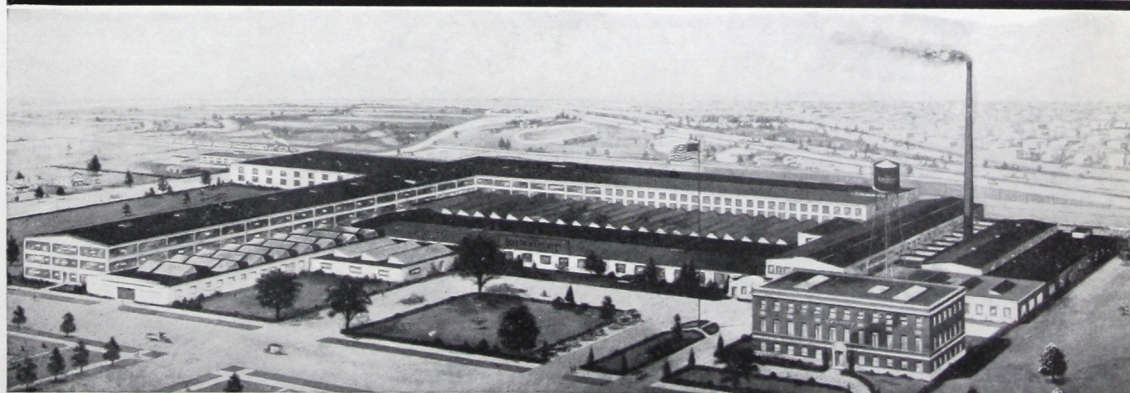
Such steady growth, such dominance in its field, showed clearly that this store front was proving its worth in actual use, giving the right kind of service year after year. It further showed that Kawneer was holding to the original purpose — continuing to produce better store fronts that would meet ALL requirements.

Today the need for Kawneer Store Fronts is greater than ever. Modern merchandising demands an attractive store front for effective display. Stores and buildings that have been neglected over a period of years are being improved in increasing numbers to meet new conditions. Through the coming years of growing activity, architects and contractors may depend on Kawneer, as always, for prompt service and outstanding value.

Kawneer's first factory at Niles, Michigan, constructed in 1906.



THE
Kawneer
COMPANY
NILES, MICHIGAN



Ready to give immediate attention to your needs today — the efficient, modern Kawneer plant at Niles, Mich. World's largest producers of store front materials. Plants also at Chicago, Ill., and Berkeley, Calif.

WHY KAWNEER STORE FRONT CONSTRUCTION IS SUPERIOR

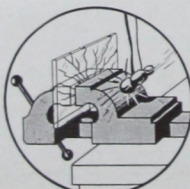
KAWNEER started out with a new and better method of holding glass and a revolutionary conception of what a store front ought to be; gained and held its reputation as the world's largest maker of store fronts by strict adherence to high quality materials and craftsmanship.

Both standard and custom-built units are accurately made, so that every Kawneer front may be quickly and easily installed on the job. Sturdy, rustless materials are used — special alloys of bronze, aluminum, or stainless steel made to definite Kawneer specifications — insuring long, dependable service and economy of upkeep. Standard Kawneer glass holding members prevent breakage under all conditions by holding glass in a firm yet resilient and yielding grip. They provide for adequate drainage and ventilation; accommodate varying thicknesses of glass. Special extruded or cast members may be had, but are recommended only for use in large buildings of heavy construction.

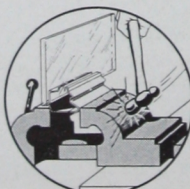
Kawneer fronts, noted for their simple, beautiful lines, may be used with any architectural treatment or for any merchandising demand. Kawneer produces metal doors and windows, frames, grills, thresholds, bronze tablets, metal signs, and architectural castings as well as standard sash, bars, caps and mouldings.

RESILIENCY

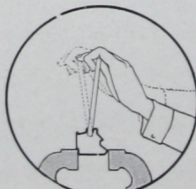
This is a basic Kawneer feature. As plate glass vibrates or bows under wind, or pressure, Kawneer sash and bars give with it, resist movement gradually but firmly, and thus prevent breakage, as illustrated.



No resiliency—result, breakage from even moderate shock.



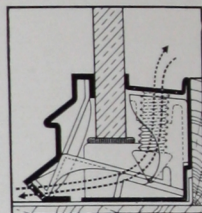
Kawneer sash cushions shock—assures glass protection.



Bending test also demonstrates Kawneer resiliency.

DRAINAGE AND VENTILATION

Another basic Kawneer feature of special interest to the merchant. All Kawneer sash allow free drainage and ventilation, rapidly reduce and drain moisture from condensation, and thus minimize sweating of windows where other factors are correct—an important display feature.

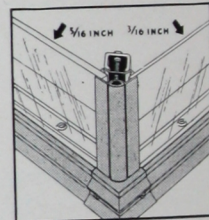


PRECISION MANUFACTURE

Kawneer accuracy means greater ease of installation, prevents annoying delays, and insures a finished front that is sure to be correct in every detail. If desired, complete front may be built up at factory, then reassembled on the job.

VARYING THICKNESS OF GLASS

Kawneer sash and bars mitre and cap perfectly, regardless of varying thickness of plate glass—will accommodate glass varying in thickness from 3/16ths to 5/16ths of an inch. Kawneer glass-holding members get a firm, continuous grip along entire surface.



BEAUTY

Kawneer Store Fronts are smart and compact, fit in unobtrusively with any architectural treatment. Their simple, beautiful lines form an attractive frame for every type of store window display. Kawneer castings and other special work, offer unlimited possibilities for ornamentation.

PERMANENCE

Kawneer store fronts may be obtained in all rustless metals that can be satisfactorily fabricated—in the proper alloy and degree of hardness.

Kawneer bronze has proven itself through years of service to be fully able to withstand practically any exposure and the color is particularly attractive.

Kawneer aluminum is of special alloy and temper—and is popular due to its inherent qualities and desirable color. The Alumilite finish when applied to Kawneer aluminum becomes an integral part of the aluminum itself, fully protecting the surface and making it much harder. Kawneer stainless steel meets many conditions and may be had in any of the well-known different alloys in use today.

Because Kawneer Fronts are made of sturdy, rustless metal, and because of their many practical features, they offer lasting usefulness, and low-cost, economical upkeep. Thousands of Kawneer Store Fronts, 20 to 30 years old, are still in excellent condition.

The Kawneer logo consists of the word "Kawneer" in a stylized, outlined serif font, enclosed within a dark, horizontally-oriented oval.

COOPERATION WITH ARCHITECTS

The Kawneer idea was developed by an architect, who founded the Kawneer Company—Kawneer has always worked closely with architects and builders. Experience has taught Kawneer how to serve their needs, anticipate their requirements.

That's why Kawneer maintains an organization made up of store front specialists, ready to cooperate with architects everywhere in helping them to work out their specialized store front problems.

Kawneer products are sold through hundreds of leading plate glass jobbers everywhere throughout the United States and Canada, most of whom keep complete stocks of standard Kawneer parts on hand. In addition to the main plant at Niles, Michigan, plants in Chicago, Illinois and Berkeley, California afford ample production facilities, assure you of immediate attention.

For further information or for cooperation on any job get in touch with the Kawneer representative in your territory or write the factory direct at Niles, Michigan.

A solid black square used as a decorative element to the left of the section header.

ARCHITECTS' SPECIFICATIONS FOR KAWNEER STORE FRONTS

All rustless metal store front construction shall be manufactured by The Kawneer Company, Niles, Michigan, and installed according to their standard construction details and practice by their local distributor.

All store front construction shall be furnished in (state metal) and (state finish).

All plate glass in the store front to be securely held in place by genuine trade-marked Kawneer solid rustless metal store front sash and bars. All sash and bars have both inside and outside resilient metal members and to be of the manufacturer's numbers as indicated below or shown on the details.

All jamb, transom, cornice, soffit, bulkhead and other mouldings to be of genuine solid rustless metal machine rolled heavy gauge shapes of manufacturer's numbers as indicated below or as shown on the details.

All show case doors, transom ventilators, entrance doors and other units to be genuine trade-marked Kawneer products fabricated out of heavy gauge machine rolled rustless metal.

The sash shall be Manufacturer's No.....

The bars shall be Manufacturer's No.....

The mouldings shall be Manufacturer's No.....

The show case doors shall be Manufacturer's No.....

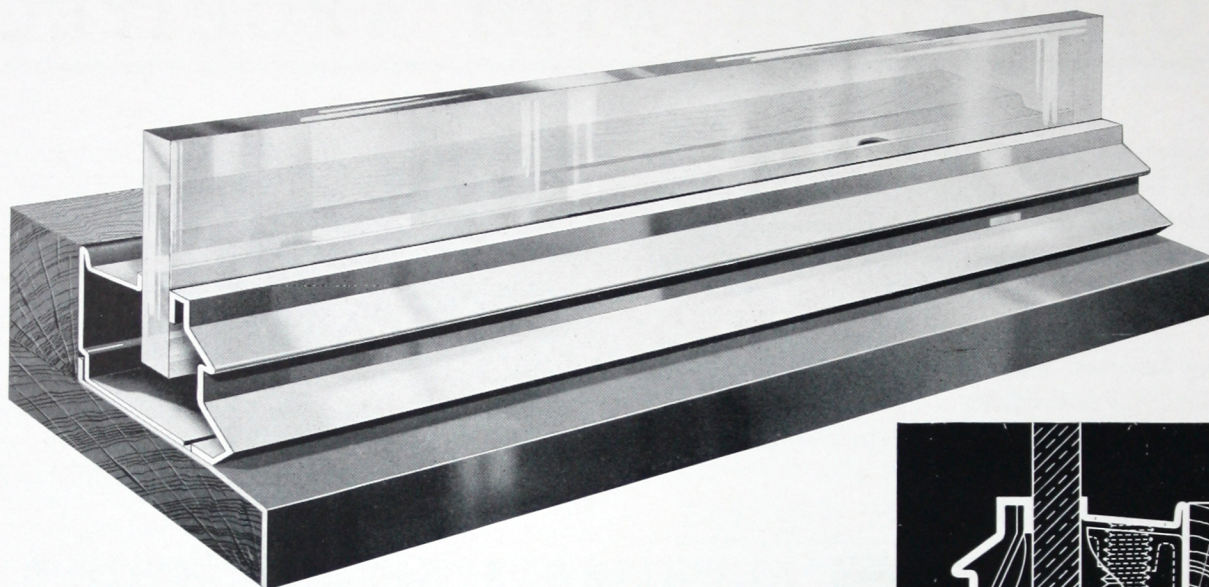
The transom ventilators shall be Manufacturer's No.....

The metal entrance doors shall be as per Manufacturer's details.....

Any special conditions or requirements should be clearly indicated on the details and included in the specifications to assure the Architect that he is obtaining genuine Kawneer rustless metal store front construction throughout the entire front.

NO. 88

KAWNEER STORE FRONT CONSTRUCTION



No. 88 SASH

This sash possesses all qualities essential to a sturdy, efficient, safe glass setting—is now considered the standard Kawneer sash for a wide variety of uses. With the aid of well balanced lines and planes it assumes a distinctive style and grace that render it appropriate for use with any architectural treatment. No screw-heads appear on face. It is perforated for drainage and ventilation. Made in rustless Bronze, Aluminum Alloy with or without Alumilite finish, and Stainless Steel. Carried in stock by Kawneer representatives everywhere.



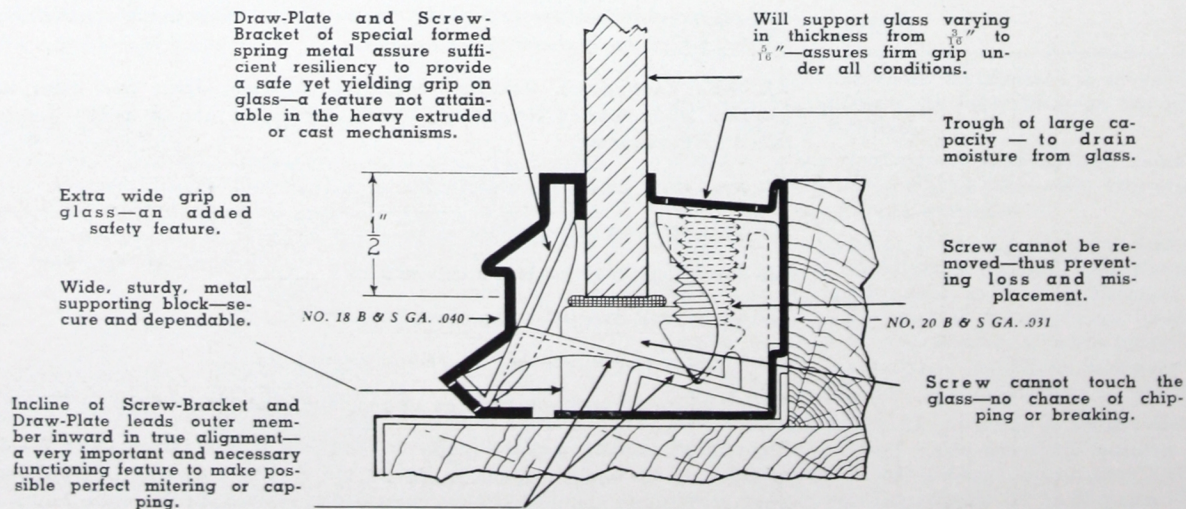
FULL SIZE SECTION

Face Member 18 B&S Ga. .040

Inner Member 20 B&S Ga. .031

Fully covered by patents. Design copyrighted.

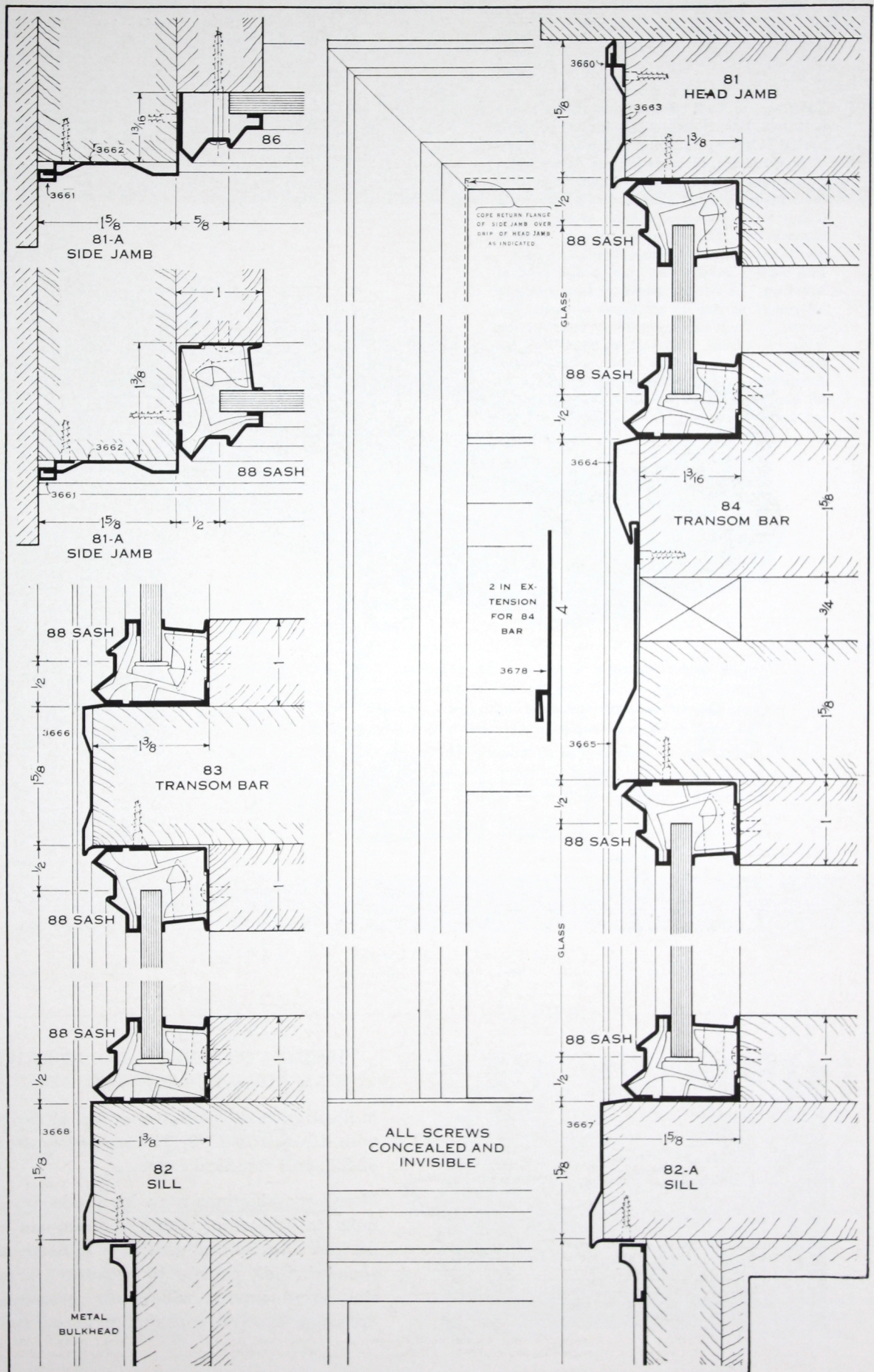
FEATURES OF NO. 88 SASH



Installations in Explosion and Earthquake Areas have proven conclusively that Kawneer Store Front Construction, which embodies the resilient feature, is the safest of all setting against vibrations of any character.

NO. 88 INSTALLATION DETAILS—VERTICAL SECTION

FULL SIZE
DETAILS
FURNISHED
ON REQUEST

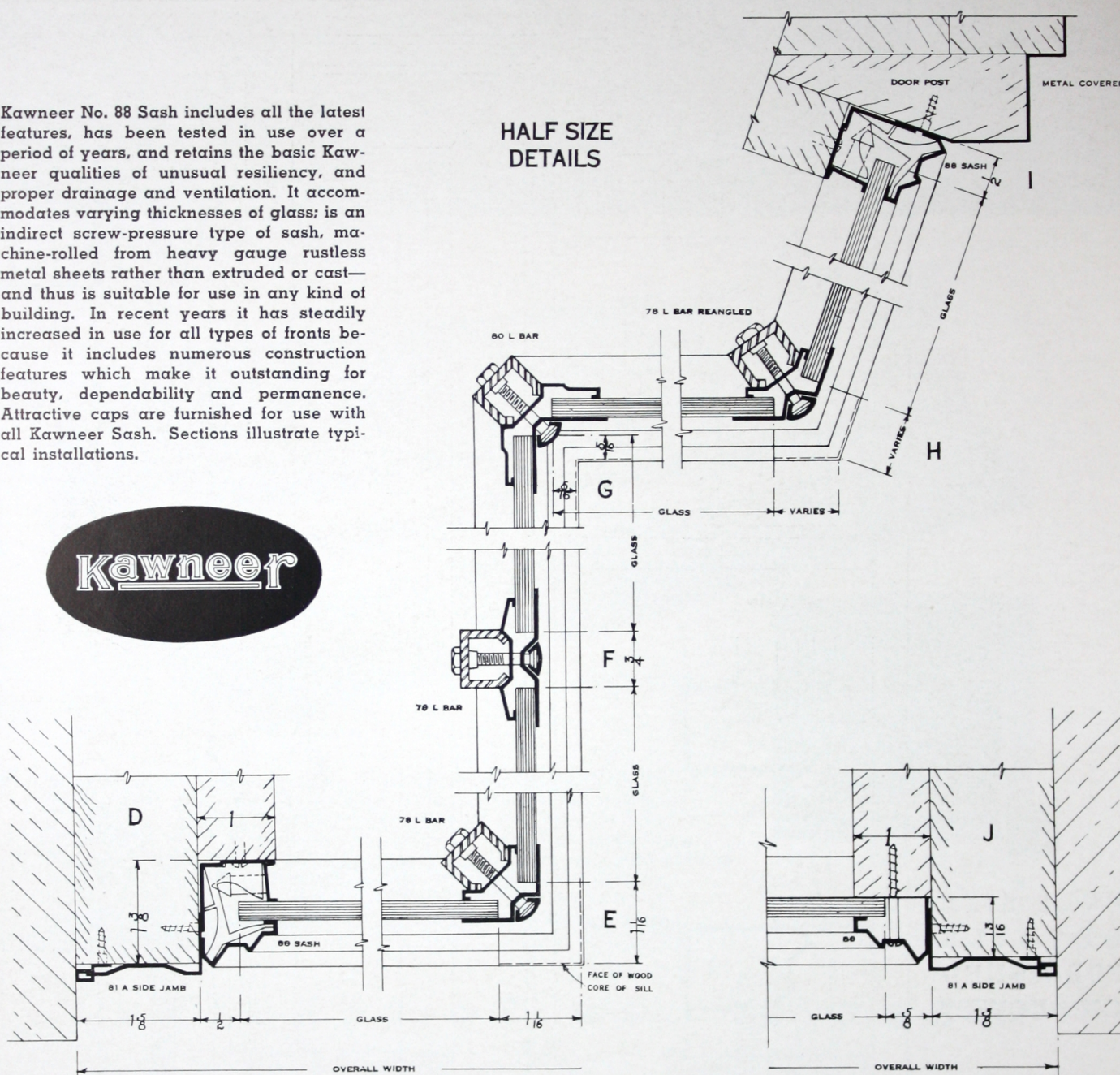


NO. 88 INSTALLATION DETAILS—HORIZONTAL SECTION

Kawneer No. 88 Sash includes all the latest features, has been tested in use over a period of years, and retains the basic Kawneer qualities of unusual resiliency, and proper drainage and ventilation. It accommodates varying thicknesses of glass; is an indirect screw-pressure type of sash, machine-rolled from heavy gauge rustless metal sheets rather than extruded or cast—and thus is suitable for use in any kind of building. In recent years it has steadily increased in use for all types of fronts because it includes numerous construction features which make it outstanding for beauty, dependability and permanence. Attractive caps are furnished for use with all Kawneer Sash. Sections illustrate typical installations.

Kawneer

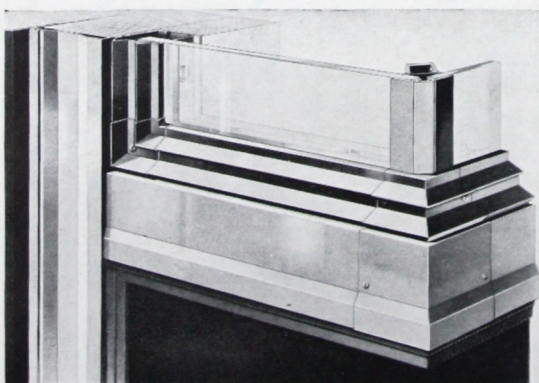
HALF SIZE DETAILS



SECTION OF TYPICAL NO. 88 KAWNEER SASH INSTALLATION SHOWN WITH OTHER KAWNEER UNITS

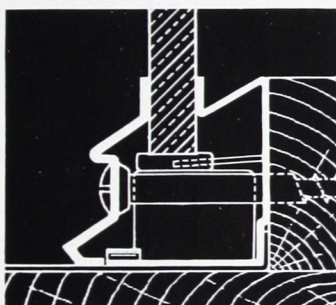
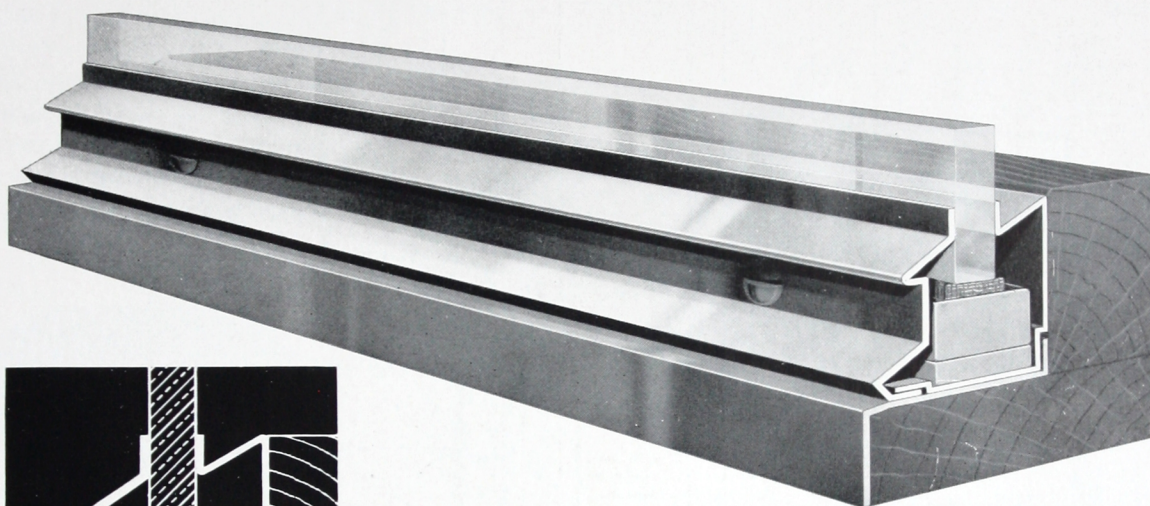
In illustration at left Kawneer No. 88 Sash has been combined with Kawneer No. 78 "L" Corner Bar, No. 81A Side Jamb, No. 82 Sill, and standard caps.

Many combinations may be made from standard Kawneer units, to harmonize with any treatment or effect the architect desires. Custom-built structural or decorative units may also be secured, built exactly to architect's specifications. Kawneer store front experts will gladly cooperate with architects in adapting Kawneer construction to any special problem.



NO. 77

KAWNEER STORE FRONT CONSTRUCTION



FULL SIZE SECTION
Face Member 18 B&S Ga. .040
Inner Member 20 B&S Ga. .031
Fully covered by patents. Design
copyrighted.

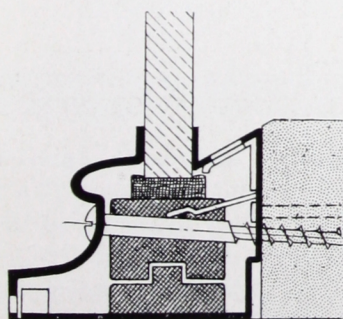
No. 77 SASH

This sash embodies those inherent qualities which have distinguished Kawneer Store Front Construction for thirty years. Ease of installation from the outside, and resilient construction with a firm grip on glass have been retained.

This unit is distinctively smart and compact in appearance, is perforated for drainage and ventilation control. Made in Bronze, Aluminum Alloy (with or without Alumilite finish) and Stainless Steel. Carried in stock by Kawneer representatives everywhere.

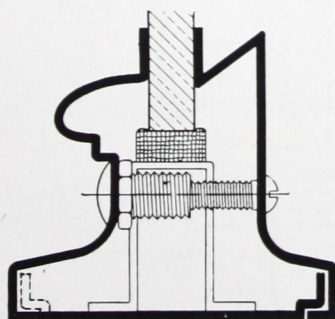
SPECIAL SASH FOR SPECIAL REQUIREMENTS

(AVAILABLE ON SPECIAL ORDER)



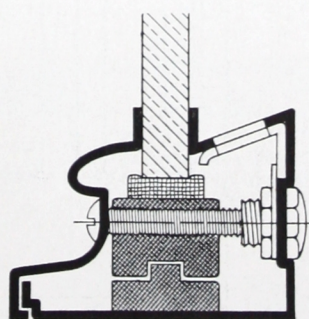
No. 30 SASH

For replacements or additions to old installations. Now in use in thousands of store fronts.



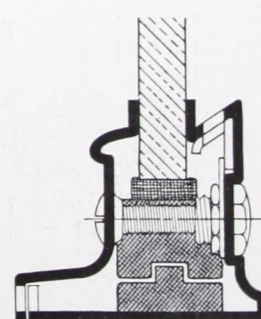
No. 33 and No. 34 SASH

For unusually large areas, No. 34 interlocks in rear for inside glazing—No. 33 (dotted lines), in front for outside. Both self-supporting.



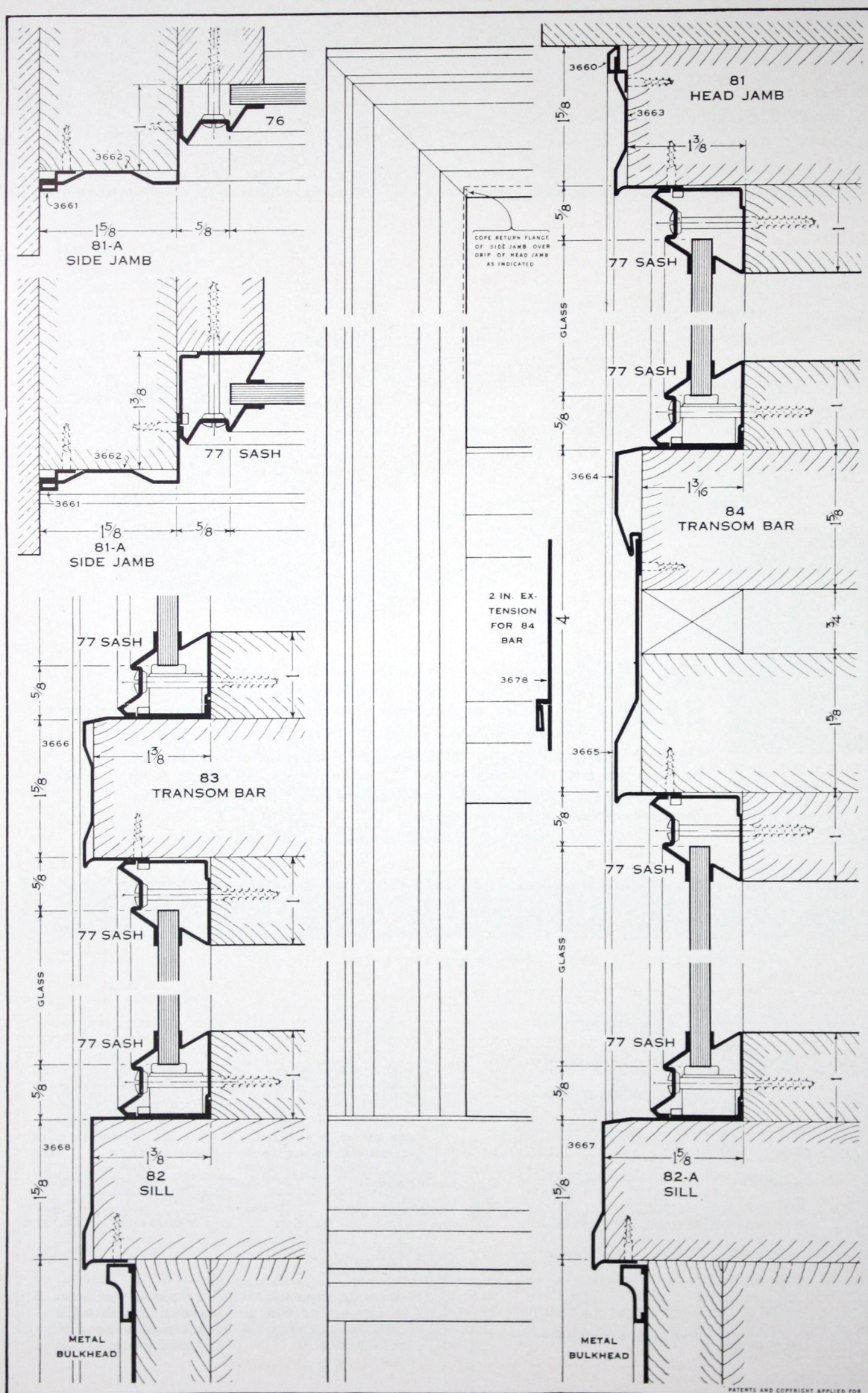
No. 36 SASH

For replacements or additions to old installations. For use with or without wood backing. Extra wide gutter.



No. 40 SASH

For replacements or additions to old installations. Used with or without wood backing. An especially compact sash.

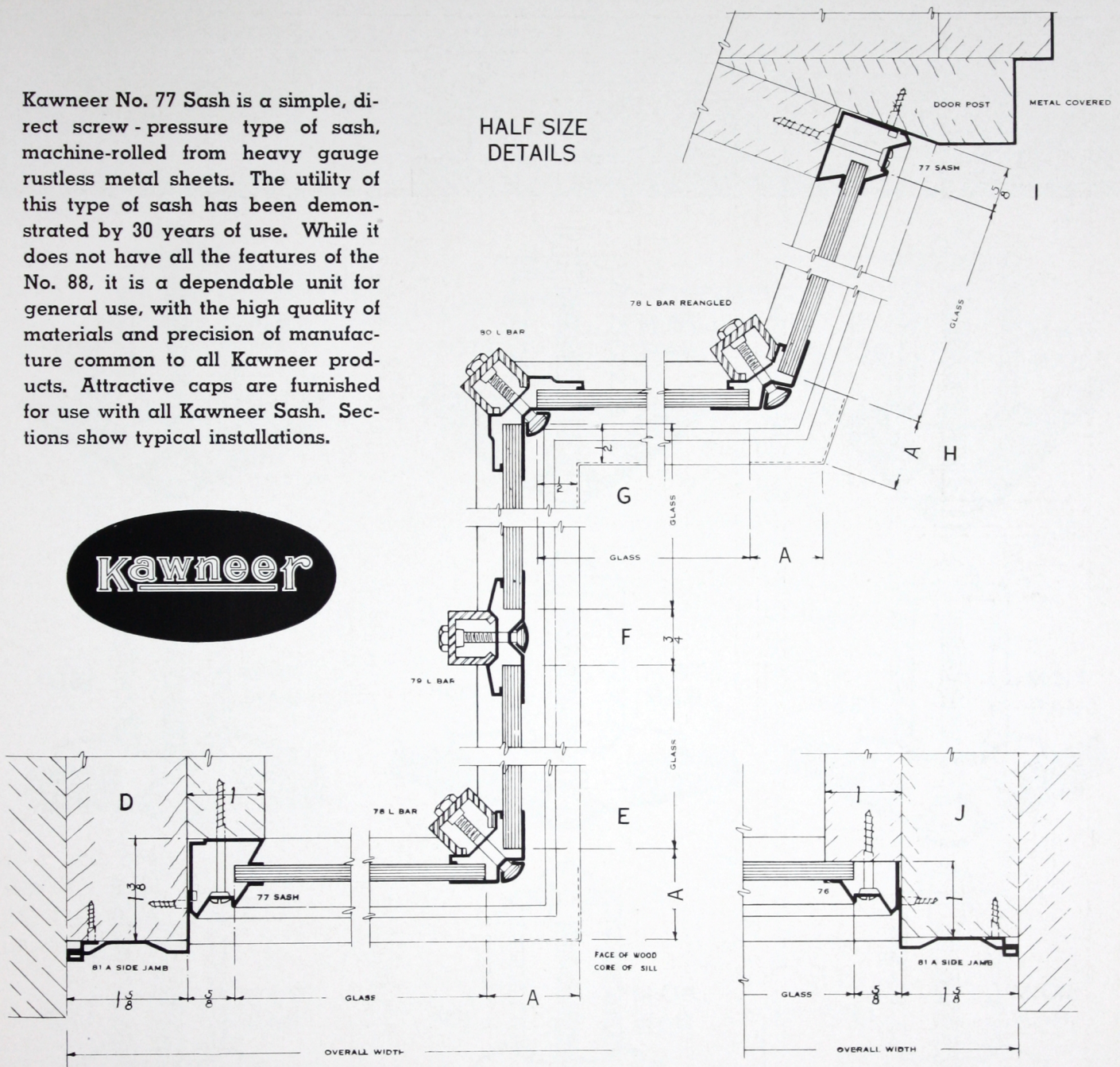


NO. 77 INSTALLATION DETAILS—HORIZONTAL SECTION

Kawneer No. 77 Sash is a simple, direct screw - pressure type of sash, machine-rolled from heavy gauge rustless metal sheets. The utility of this type of sash has been demonstrated by 30 years of use. While it does not have all the features of the No. 88, it is a dependable unit for general use, with the high quality of materials and precision of manufacture common to all Kawneer products. Attractive caps are furnished for use with all Kawneer Sash. Sections show typical installations.

Kawneer

HALF SIZE DETAILS



Kawneer bars used for both No. 88 and No. 77 Store Front Constructions are shown on the following page. They will be furnished at standard 10 degree angles or any practical angle on request. They are provided with steel stiffeners "L" (light), "M" (medium), or "H" (heavy) as specified. Stiffeners are finished with a protective coating. Letter following bar number denotes size of stiffener. For added strength special reinforcing core, No. 3603 is supplied with "H" Stiffeners, when specified in order.

Table Showing Dimension A

90°	1 1/4"
95°	1 3/8"
100°	1 1/2"
105°	1 5/8"
110°	1"
115°	1 1/8"
120°	7/8"
125°	1 1/4"
130°	3/4"
135°	1 1/8"

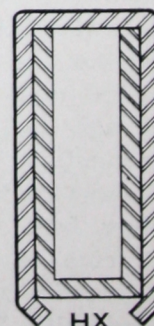
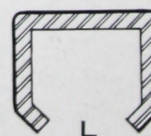
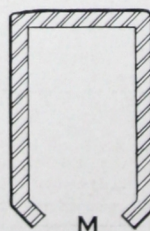
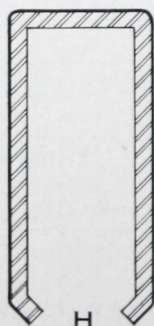
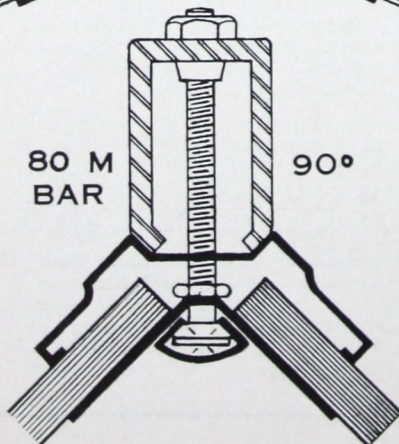
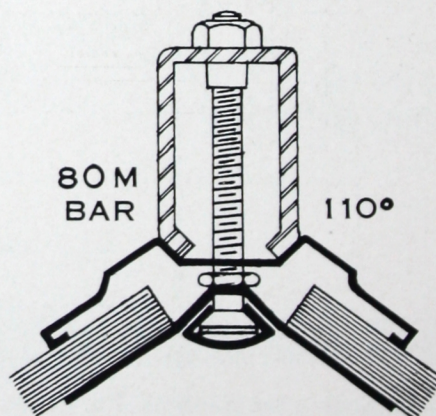
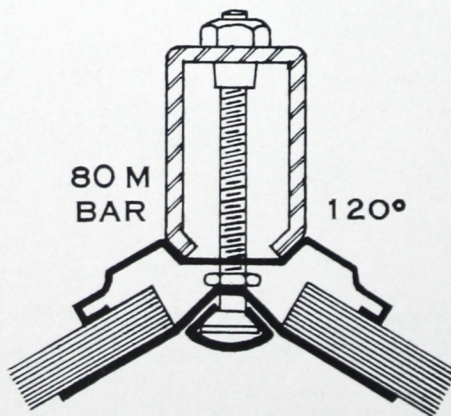
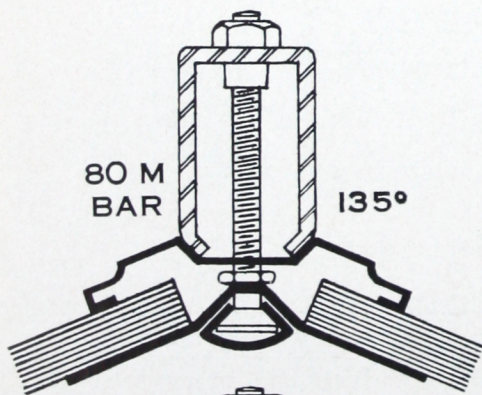
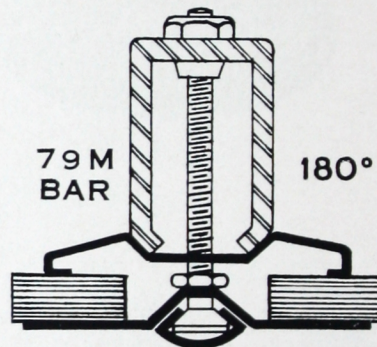
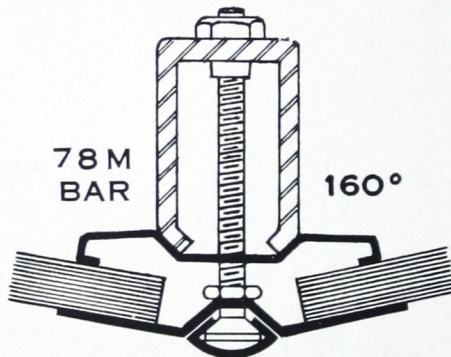
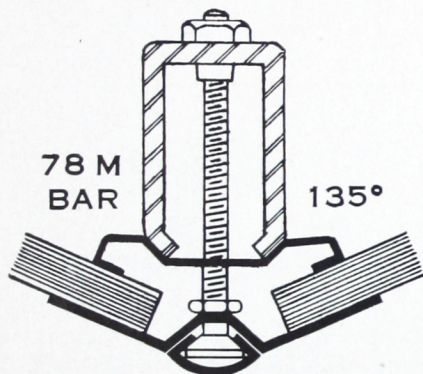
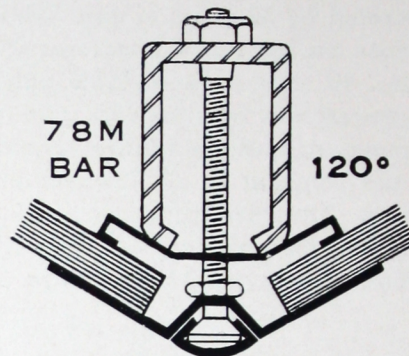
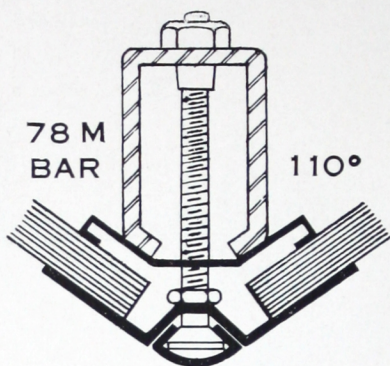
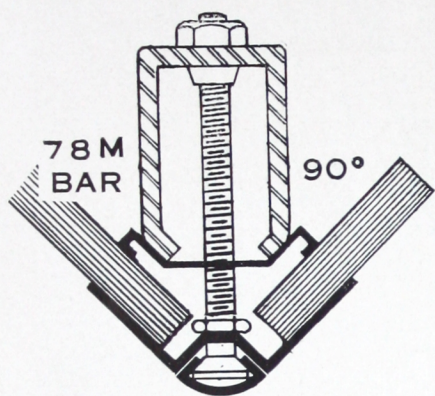
TABLE OF BARS

In order to facilitate the selection of proper bars we submit a table which we believe will be of great assistance in ordering. We are also submitting a formula as an explanation of this table.

STIFFENER	A	B	C
LIGHT	60 In.	100 Sq. Ft.	55 Sq. Ft.
MEDIUM	78 In.	130 Sq. Ft.	70 Sq. Ft.
HEAVY	96 In.	140 Sq. Ft.	72 Sq. Ft.
HEAVY-X	108 In.	144 Sq. Ft.	80 Sq. Ft.

Formula—We recommend all of our bars as listed where the glass height does not exceed that given in Column (A) and the combined area of the 2 plates is less than the square footage listed in Column (B). The area of 1 plate must not exceed that listed in Column (C).

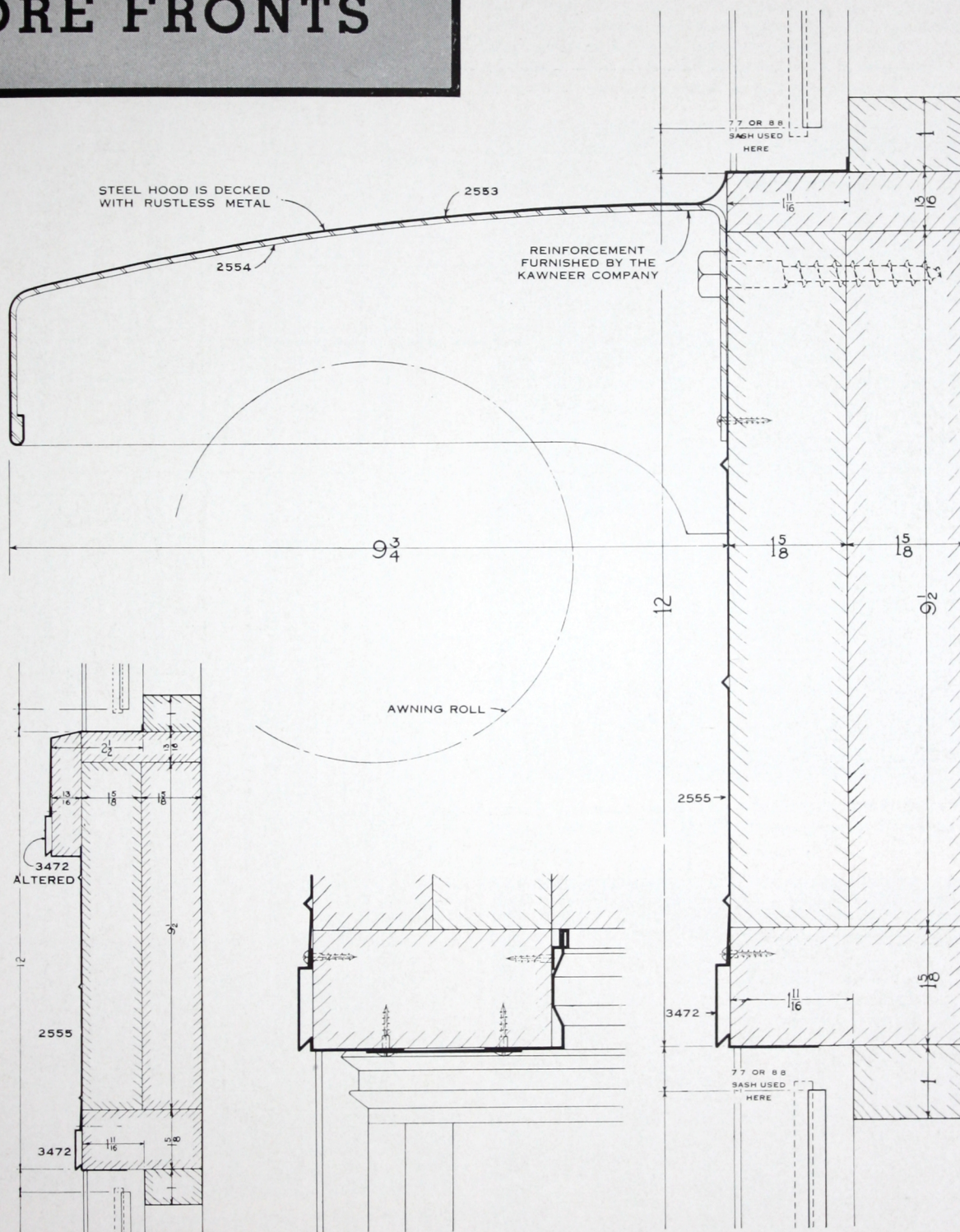
BARS TO ACCOMPANY No. 88 or No. 77 SASH



(SEE PAGE 11 FOR TABLE AND INFORMATION)

OTHER UNITS FOR KAWNEER STORE FRONTS

KAWNEER AWNING BAR TRANSOM BAR & SOFFIT



No. 75-C TRANSOM BAR SOFFIT OVER ENTRANCE
One-Quarter Size

No. 75 AWNING BAR
One-Half Full Size

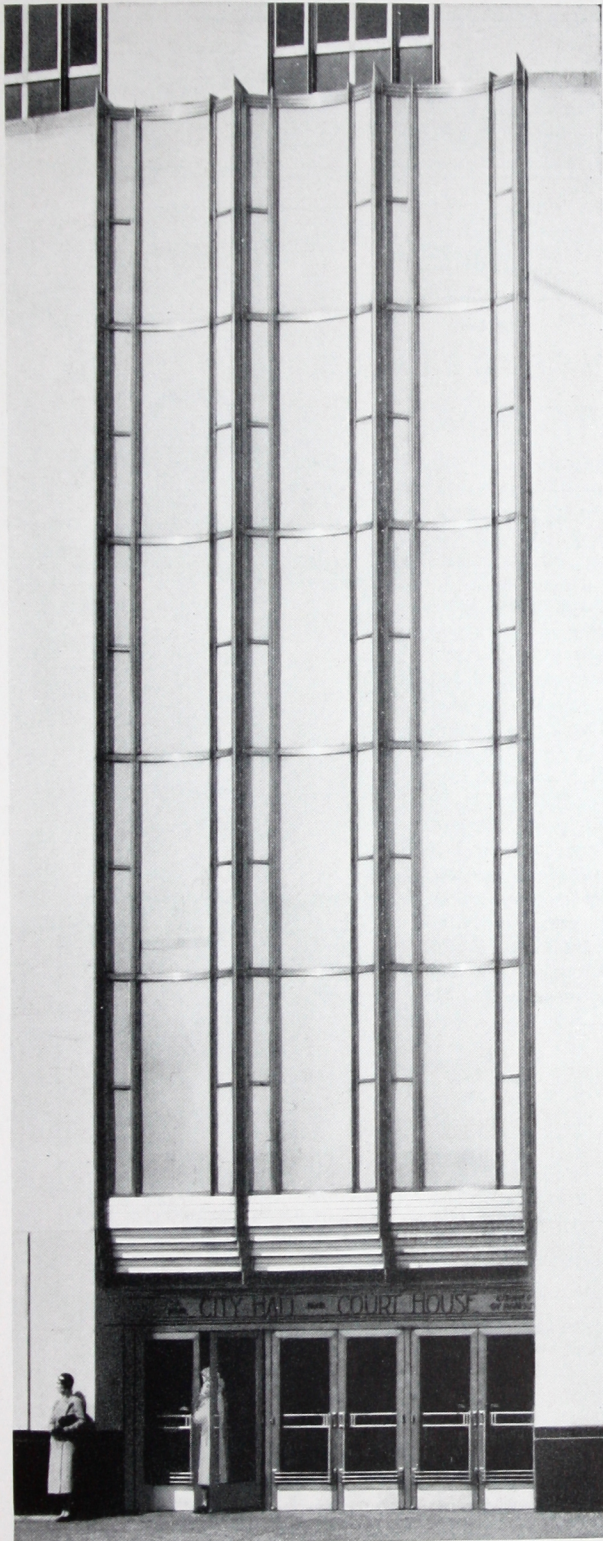
No. 75 Awning Bar provides shelter for the awning by means of a continuous steel hood, decked with rustless metal, with abundant space for awning roll. The steel is painted at factory.

Transom Bar No. 75C is used in conjunction with No. 75 Awning Bar when hood is not required.

[illegible]

14

KAWNEER METAL DOORS

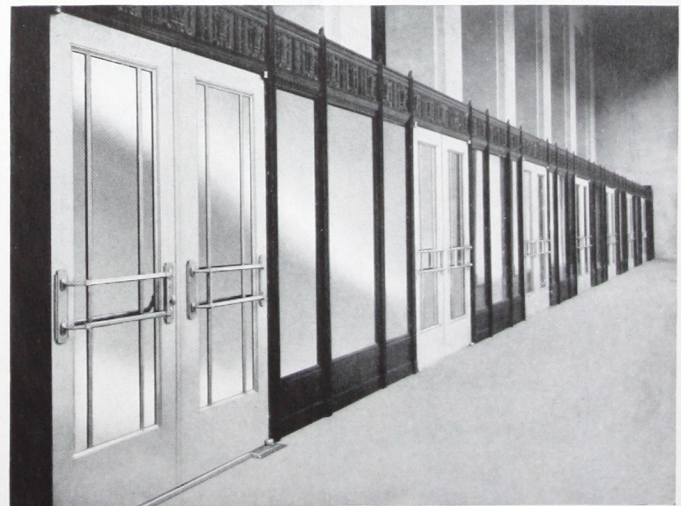


Kawneer doors and ornamental metal work in stainless steel. City Hall and Court House, St. Paul, Minn. Ellerbe & Co., St. Paul, Architects. Holabird & Root, Chicago, Associate Architects.

Kawneer Metal Doors are furnished in any practical size, custom-built to comply with architects' designs—in either bronze or aluminum alloy. Kawneer makes both Seamless Tubular, and Flush-Type Doors, detailed on following pages. Doors are fitted and hung to frame, hardware applied and the complete Kawneer unit furnished ready to install—appropriate for use in the finest buildings. The Kawneer Company will gladly assist architects in working out construction to suit special requirements.

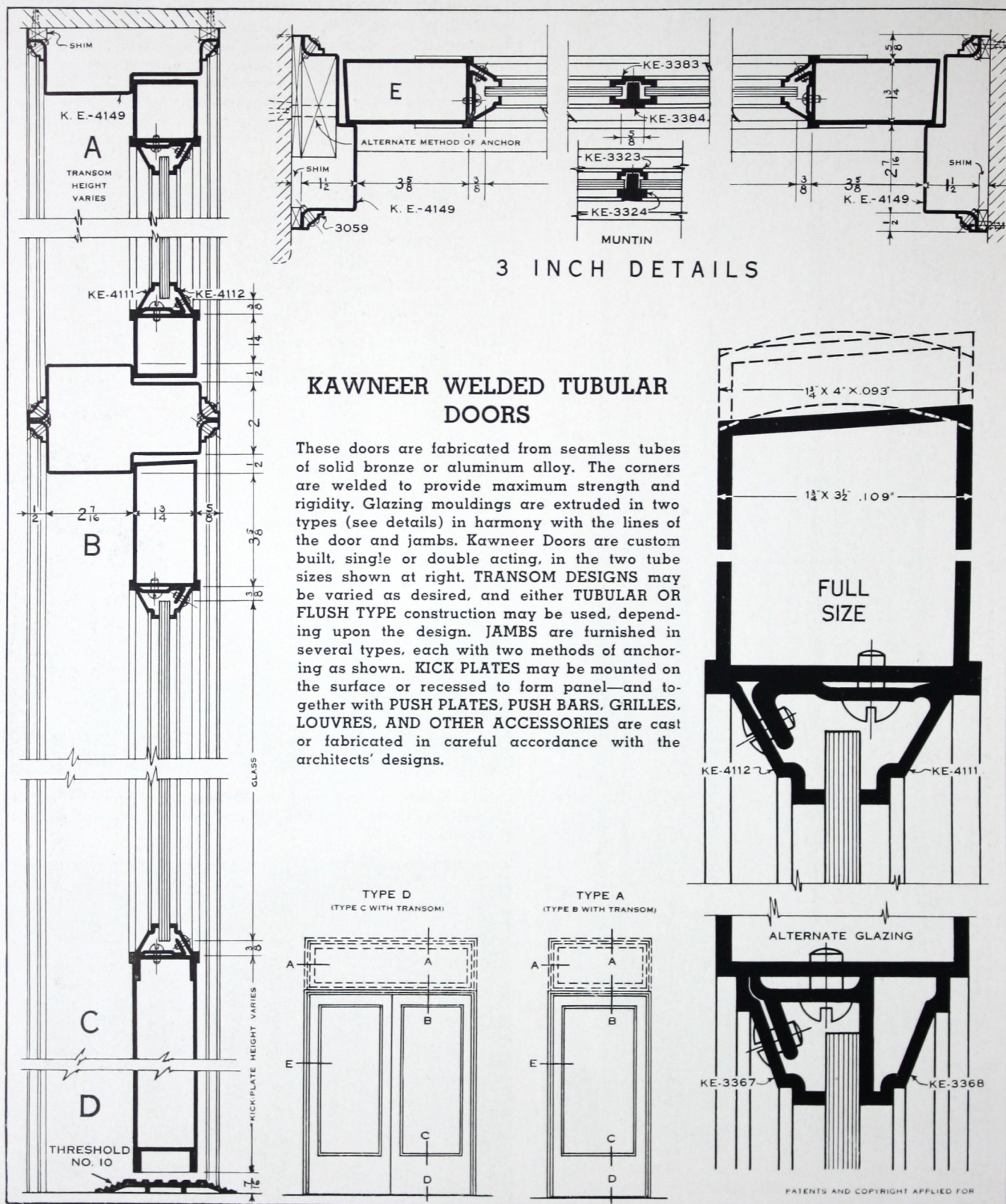


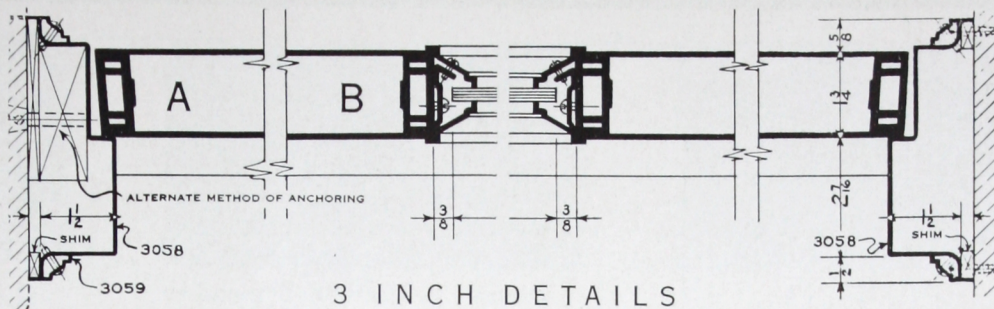
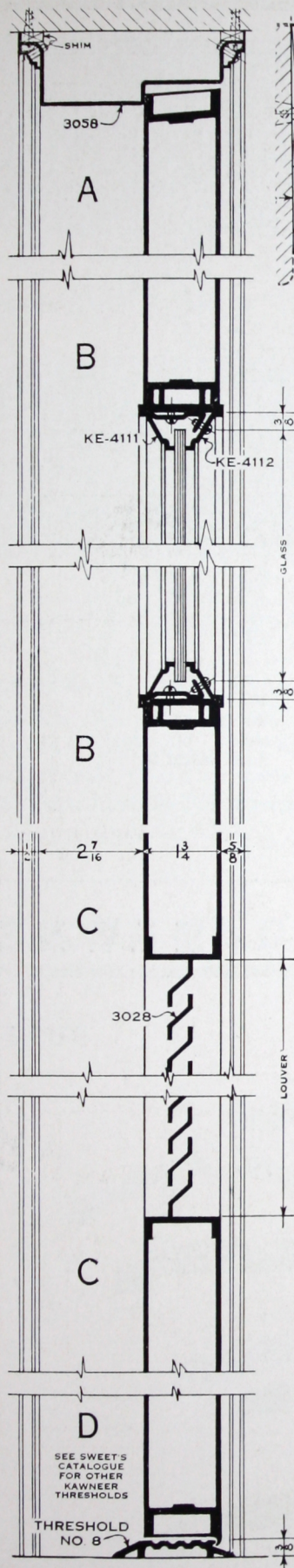
Bronze Kawneer doors and ornamental metal work in United States Post Office, Cincinnati, Ohio. Samuel Hannaford & Sons, Architects.



Kawneer aluminum doors and cast iron facia, mullions and bulkheads. Civic Auditorium, Grand Rapids, Michigan. Robinson & Campau, Architects.

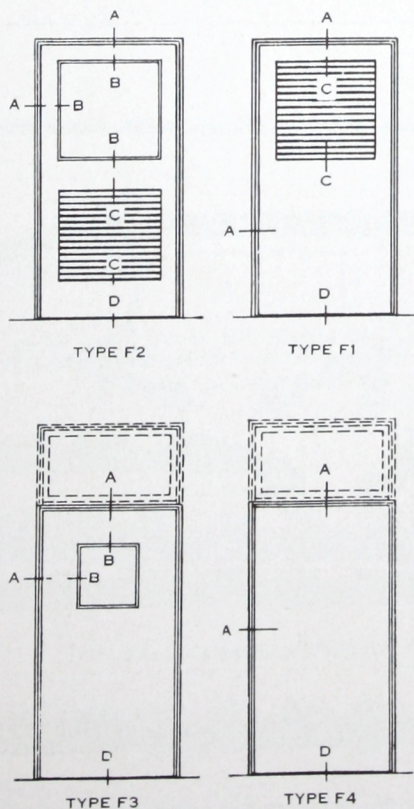
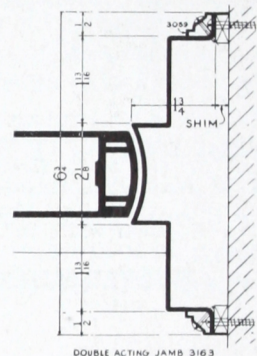
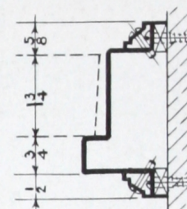
KAWNEER METAL DOOR DETAILS





KAWNEER FLUSH-TYPE DOORS

These doors consist of cold-rolled and extruded members, strongly fabricated—a versatile construction with many possibilities for variation of style and design, which has found wide usage in fine public and institutional buildings. These doors can be built in either single or double acting types. Surfaces may be entirely flush, or furnished with panels, grilles, or louvres. Transom designs, Jambs, Kick Plates, Push Plates, Push Bars, Grilles, Louvres, etc. are handled in the same manner as with Welded Tubular Doors described on preceding page. Kawneer furnishes complete door, hardware, and frame, assembled and ready for glazing and installation—will gladly cooperate with architects everywhere in adapting this construction to special requirements.

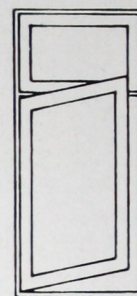


NO. 70 SHOW CASE DOORS; VENTILATORS



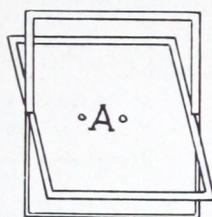
WITHOUT TRANSOM

KAWNEER METAL SHOW CASE DOORS may be had with or without transom, as shown in sketches; equipped with necessary hardware and installed in frame. Corners are mitred and strongly welded. Felt member keeps out dust. These doors occupy but little space, and are especially compact.

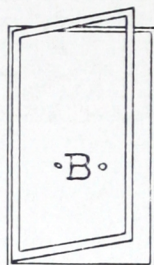


WITH TRANSOM

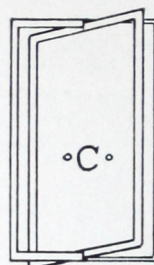
FULL SIZE DETAILS ON REQUEST



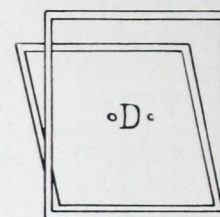
No. 57-A. Pivoted at sides to swing in at top. Maximum width 30".



No. 57-B. Hinged at sides to swing out. Maximum width 24".



No. 57-C. Pivoted at top and bottom. Maximum width 30".

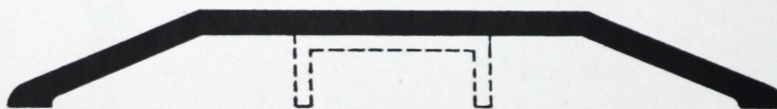


No. 57-D. Hinged at bottom to swing in. Maximum width 30".

PIVOTED VENTILATORS (A, B, C, and D) are also furnished in frames for transoms, bulkheads, etc. Write for further information.

KAWNEER

FULL SIZE



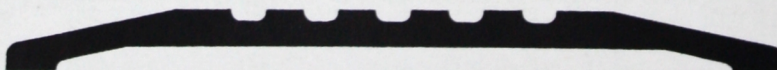
Type B. Cold rolled from heavy brass, reinforced with steel channel where screw occurs. For 1 $\frac{3}{4}$ " and 2 $\frac{1}{4}$ " doors.



No. 4. Extruded—bronze.



No. 5. Extruded—bronze.

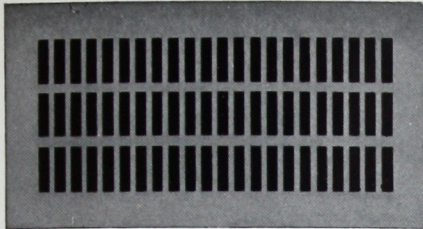


No. 6. Extruded—bronze.



No. 7. Extruded—bronze.

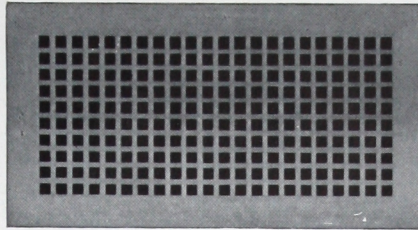
KAWNEER GRILLES



TYPE 1-G

Rectangular Interstices.

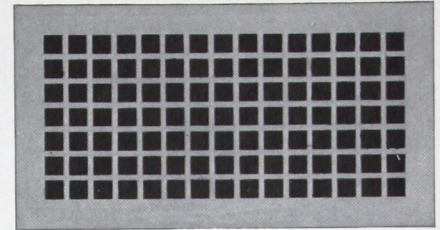
Stock sizes: 11" x 5", 18" x 9", 24" x 10".



TYPE 2-G

Small Square Interstices.

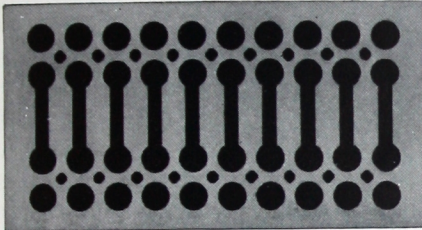
Stock sizes: 11" x 5", 18" x 9", 24" x 10".



TYPE 3-G

Large Square Interstices.

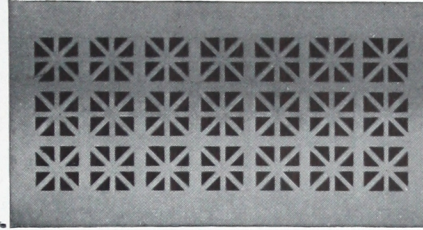
Stock sizes: 11" x 5", 18" x 9", 24" x 10".



TYPE 4-G

Ball and Slot Interstices.

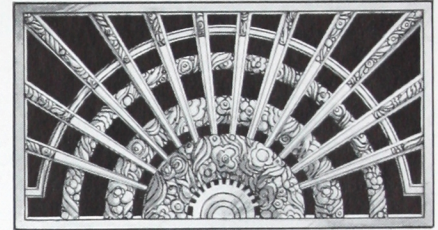
Stock sizes: 11" x 5", 18" x 9", 24" x 10".



TYPE 5-G

Clustered Union Jack.

Stock sizes: 11" x 5", 18" x 9", 24" x 10".



SPECIAL

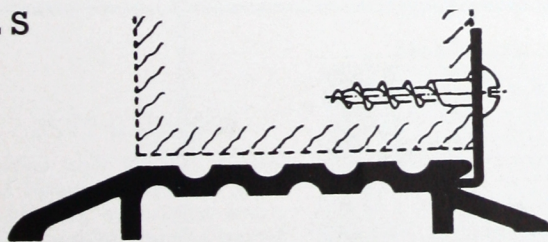
Design cut or cast to meet architects' requirements on time and material basis.

KAWNEER STAMPED METAL GRILLES are furnished in .050 and .109 gauge metal, sharply cut from bronze, aluminum alloy, or copper; in stock sizes and patterns, (1-G to 5-G) or cut to meet architects' requirements. Maximum size in either gauge is 24" x 114". If .050 grilles are made larger than 24" x 24" ample reinforcement

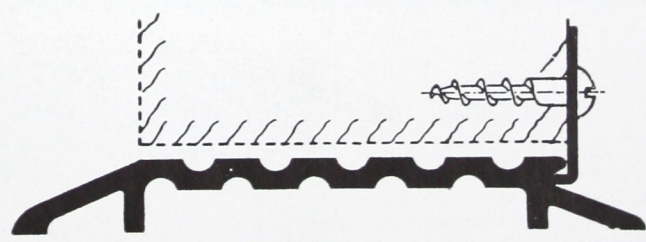
is attached to back. KAWNEER CAST METAL GRILLES are made to any design or size, in various metals. Kawneer also furnishes high grade architectural and sculptural cast metal work of all types, in accordance with architects' designs. Kawneer castings are sharp and clean-cut.

THRESHOLDS

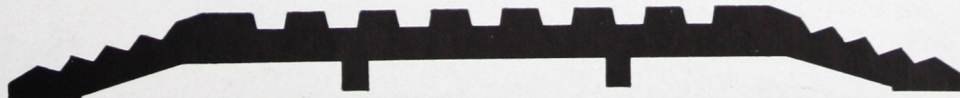
DETAILS



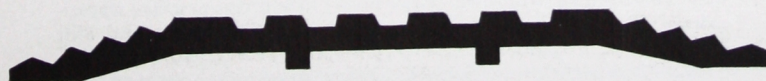
No. 8. Extruded—bronze. Furnished with weathering angle.



No. 9. Extruded—bronze. Furnished with weathering angle.



No. 10. Extruded—aluminum only.



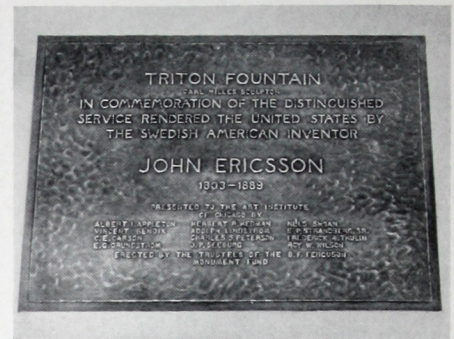
No. 11. Extruded—aluminum only.

Note: Kick plates in standard sizes are also available.

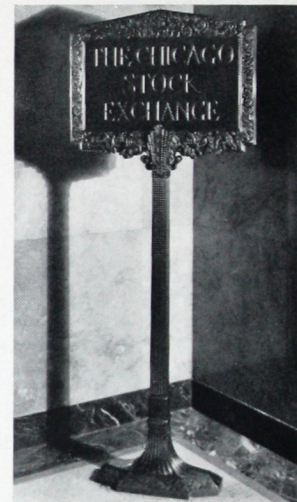
KAWNEER BRONZE TABLETS



Kawneer Bronze Tablets are widely known for excellence of workmanship, are fashioned and cast by skilled craftsmen with long experience in the art. They are made in a variety of treatments according to special designs or needs. Kawneer also makes other fine bronze castings as illustrated by solid bronze fountain at left.



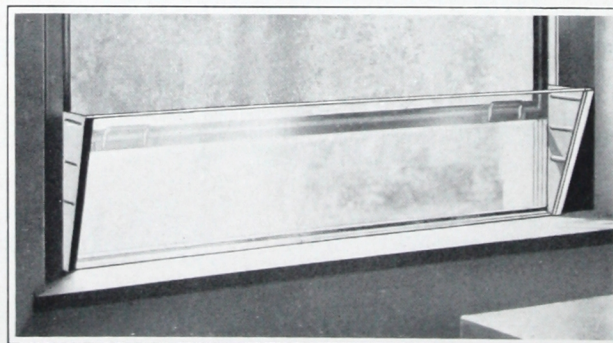
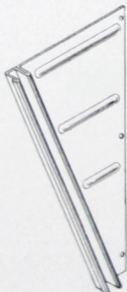
Cast bronze fountain, University of Chicago. J. M. Jonson, sculptor.



KAWNEER WINDOW VENTILATORS

ANGLE TYPE

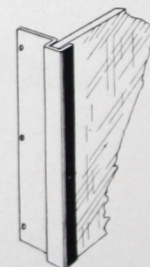
For general home or office use. Furnished in pairs, in maroon or green baked enamel finish. Shipments include the necessary wood screws. Cost of special finishes on request.



Enjoy fresh air in comfort without draft. Kawneer Window Ventilators are neat and inexpensive, can be attached quickly and easily with screws and screwdriver by anyone, to lower jambs of any weight-hung windows. They hold plate glass or other appropriate shield in proper position to admit sufficient air and still keep out rain, snow, and dust. **EASILY INSTALLED OR DETACHED WITHOUT DEFACING JAMB.**

VERTICAL TYPE

Admits less air than angle type. Likewise furnished in pairs, in maroon or green baked enamel finish — with necessary wood screws.



**THESE
ADDITIONAL
FULL-SIZE DETAILS
MAY BE HAD ON
REQUEST
NO OBLIGATION**

- 1** F. S. Sections of Bars. Horizontal and Vertical Sections—Featuring No. 77 Sash.
- 2** Horizontal and Vertical Sections—Featuring No. 88 Sash. F. S. Detail of 4" Transom Bar.
- 3** F. S. Sections of Sash 33, 34, 35, 36, 40. Number 75 Awning Bar. Number 27-D Transom Bar.
- 4** Number 28 Awning Bar. Number 28-A Transom Bar. Grilles and Thresholds.
- 5** Number 70 Show Case Door. Number 57 Ventilator. Mirror Frame Mouldings.
- 6** F. S. Sections of Architectural Mouldings—Stock.
- 7** F. S. Sections of Architectural Mouldings—Special.
- 8** F. S. Details of Pivoted and Hinged Ventilators.
- 9** Cast Enrichments, furnished in any practical metal.



BEFORE



AFTER

KAWNEER STORE FRONTS HELP THE MODERN MERCHANT TO INCREASE SALES ■ GIVE A DEFINITE COMPETITIVE ADVANTAGE ■

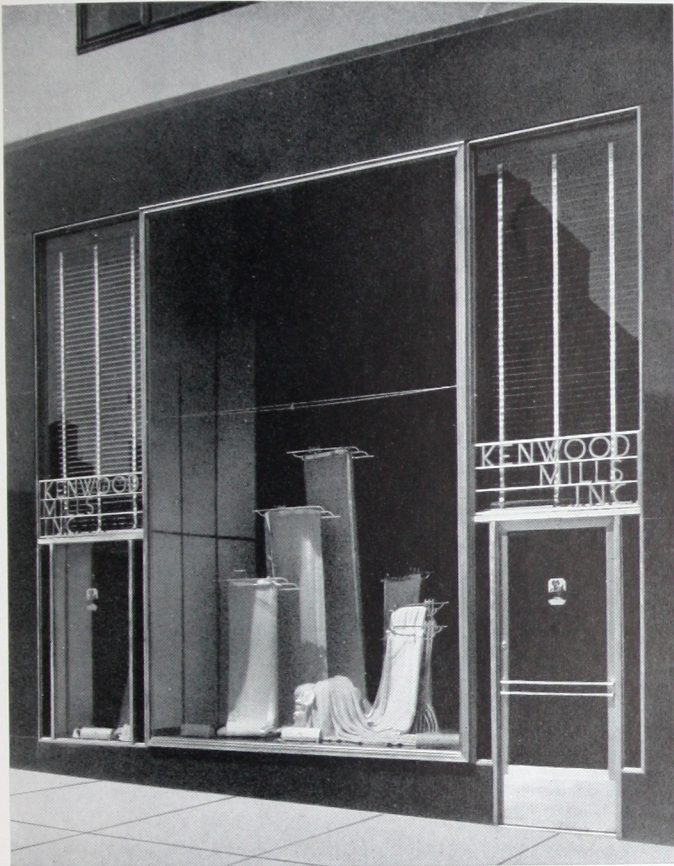
The importance of the store front as a device to give a favorable impression, and more particularly as a tool for the proper display of merchandise is accepted by merchandisers everywhere, in every line of business. As we enter a new era of highly efficient selling, it is apparent that the successful store of the future will have to be even more attractive, and more inviting—better equipped than ever to stop the passerby and interest him in its goods.

The advantage that the modern Kawneer Store Front gives to the merchant is clear at a glance when you compare the old-fashioned, inefficient front with the trim, attractive Kawneer Front. The dollars and cents benefits, the permanence, and the economy of upkeep of Kawneer construction have been demonstrated hundreds of thousands of times since Kawneer originated the resilient, rustless metal store front 30 years ago. That's why Kawneer is the world's largest manufacturer of store front materials today.

Kawneer Store Fronts may be as elaborate, as modern, or as simple and unobtrusive as the type or character of the house demands. They can be adapted by your architect to the solution of any display problem. On the following pages you will find examples of Kawneer fronts ranging from the smartest metropolitan shops, with strikingly modern ornamental metal work, to groceries and markets where the front becomes a vital part of an efficient merchandising machine for the display and sale of common everyday commodities.

Above all, Kawneer Store Fronts are practical—their steady increase in use has come about because they have been profitable to those who have used them.

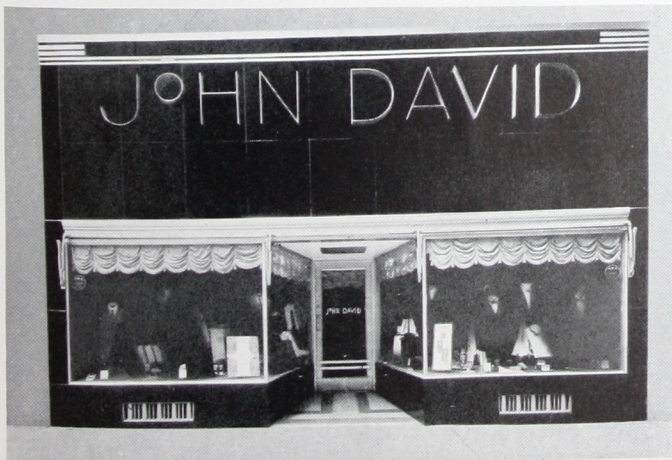
TYPICAL KAWNEER STORE FRONT INSTALLATIONS



Kenwood Mills, Inc., Shop, Chicago, Ill., Holabird & Root, Architects. Ralph Renwick, Contr. Kawneer Store Front and Doors in Nickel Silver.



Bartlett & Sons Co., Jewelers, Boston, Mass. Harold Field Kellogg, Architect. Stainless Steel throughout.



John David, Men's Store, New York City. Starrett & VanVleck, Architects. Aluminite Store Front.



The Arcade, new Field Building, Chicago. Graham, Anderson, Probst & White, Architects. George A. Fuller and Co., Contractor. Nickel Silver Kawneer Store Fronts and Doors.



At left—closeup view of ornamental metal work by Kawneer.



Medical Arts Building, Berwyn, Ill., with typical drug store front. Note Kawneer ornamental metal work in aluminum. Conley & Carlson, Architects, Chicago, Illinois.



The Fair, Department Store, Sturgeon Bay, Wisc. Clas & Clas, Milwaukee, Architects, Aluminum front.



Hayes-Bickford's Restaurant, Boston, Mass.



Brentano's, Book Shop, New York City. Jos. L. Consiglio, Architect. Aluminum front.



Palmer House Products, Chicago, Illinois. Holabird & Root, Architects. Note ornamental metal sign, door, and strips furnished in aluminite.



Red Robin, Ladies Ready to Wear Shop, Cleveland, Ohio.



Kroger Grocery and Market, Memphis, Tenn. Aluminite front.



Coolidge Corner Theatre Building, Brookline, Mass. Everett Hayward, Architect. Store fronts in aluminite finish.

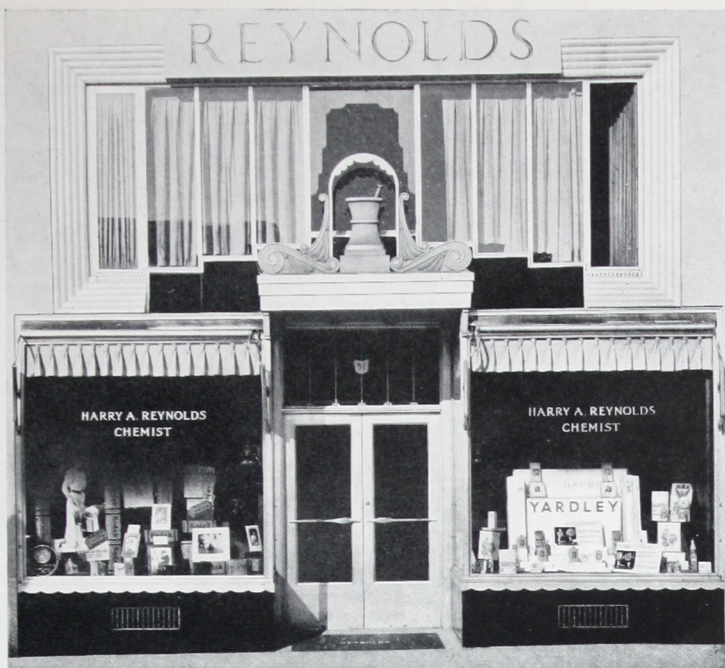


Abraham's Drug Store, Burlington, Vt. Louis S. Newton, Architect. Store front and name in aluminite.



Brozer's, Department Store, Baltimore, Md. A. C. Radziszewski, Architect.

Spiro's, Men's Clothing Store, South Bend, Ind. Austin & Shambleau, Architects. Bronze store front by Kawneer.



Harry A. Reynolds, Chemist, White Plains, N. Y. David Podoloff, Architect. Aluminum front. Note ornamental casting.

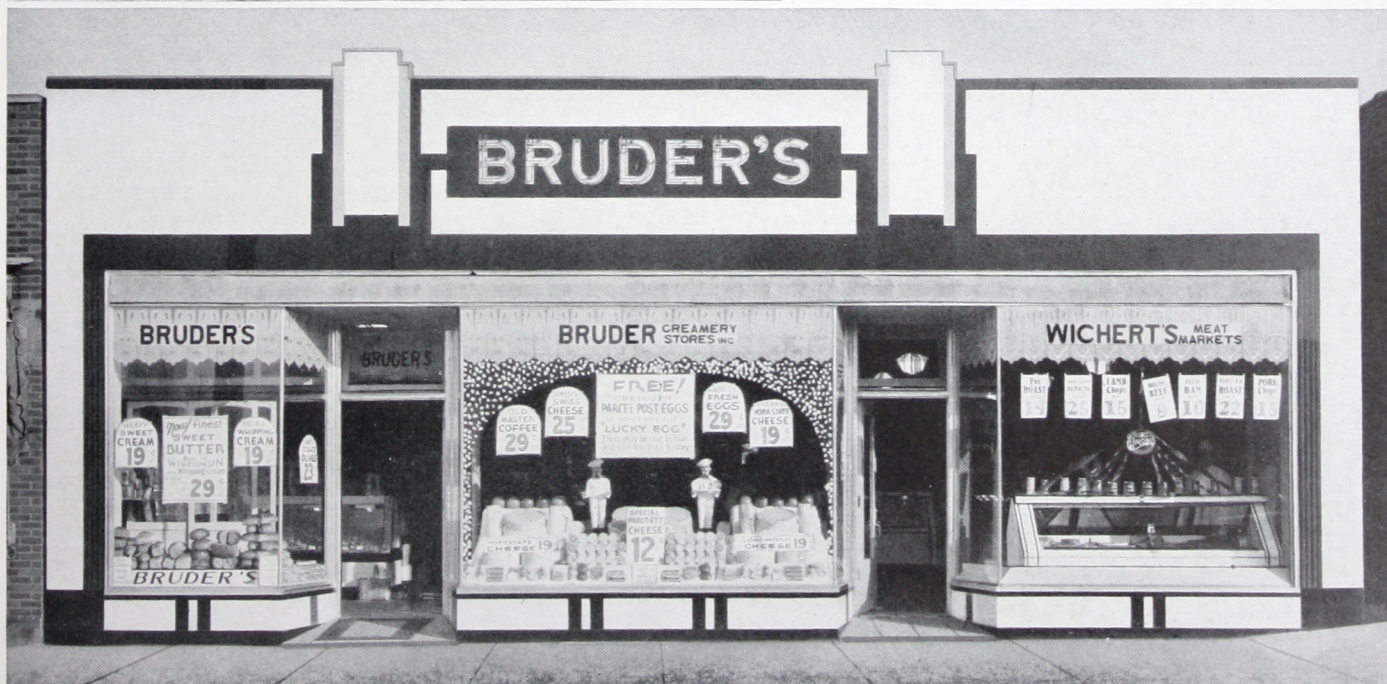


Quigley Building with Kawneer front for exclusive shop. Chicago, Illinois. David Adler, Architect.

BEFORE

Illustrations at left and below show before and after photographs of Bruder's Creamery Store and Market, Cleveland, Ohio. Chester N. Lowe, Architect

AFTER

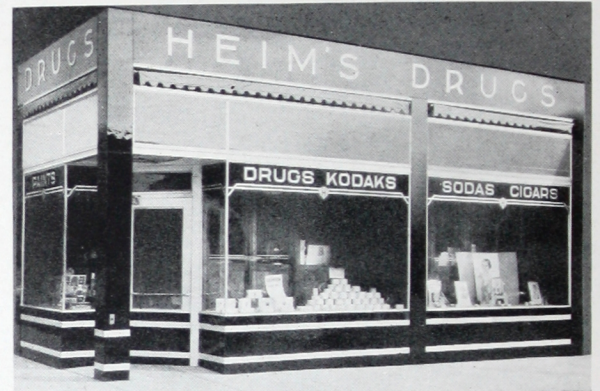




Torell's Department Store, Stockholm, Sweden. One of many Kawneer installations in foreign countries.



The Great Atlantic & Pacific Tea Co., Store in Boston, Mass. Stainless steel front.



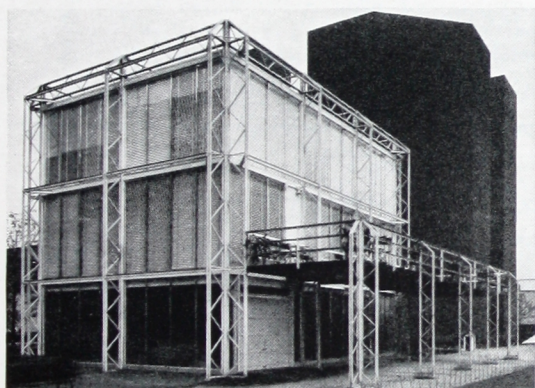
Heim's Drug Store, Berrien Springs, Mich. Aluminite Kawneer front attracts tourist trade.



Palmer House Cafe, Chicago, Illinois. Holabird & Root, Architects. Complete front furnished by Kawneer including sash and bars, signs, doors, and decorative strips in stainless steel.



Sears Roebuck & Company, Department Store, Hackensack, N. J. Alfred S. Alschuler, Chicago, Architect. Bronze front.



Crystal House, A Century of Progress, 1934. George F. Keck, Architect. A striking example of the versatility of Kawneer No. 88 sash.



Sally Frocks, Women's Specialty Shop, Oak Park, Illinois. Sobel & Drielsma, Chicago, Architects.



Pennsylvania Drug Company, Broadway and 47th Street, New York City. Allmon G. Fordyce, Architect. Aluminum front.

THE
Kawneer
COMPANY

P R O D U C T S

**STANDARD CONSTRUCTION,
KAWNEER RUSTLESS METAL
STORE FRONTS**

Kawneer furnishes standard parts such as sash, bars, awning and transom bars, and other units which may be combined by the architect and builder for a wide variety of uses. Carried in stock by over one hundred representatives. Full-size details on request.

KAWNEER SEALAIR WINDOWS

Sealair Windows are furnished in casement or light or heavy double hung types, for any practical window requirement. Famous 3-point contact gives continuous weathering—dust-proof, weather-proof, rattle-proof. Solid bronze or aluminum alloy members are strongly welded for rigidity and long life. Write for details.

**CUSTOM-BUILT KAWNEER STORE
FRONTS**

Kawneer not only makes special units for use with standard members, but also makes rolled, extruded or cast parts of special design. The entire front is built up at the factory, insuring perfect installation when re-assembled on the job.

**KAWNEER COLD-ROLLED
ARCHITECTURAL MOULDINGS**

Kawneer stock or special mouldings are furnished for a wide variety of uses—for jambs, sills, transom bars, bulkheads, cornice and other units. Rolled from heavy bronze or copper. Full size details or suggested treatments for particular requirements will be furnished on request.

KAWNEER METAL DOORS

Kawneer custom-built doors in bronze or aluminum alloy may be had in either seamless Tubular or Flush types—are now being used not only in fine public buildings, banks, and skyscrapers, but also in connection with fronts for small shops.

KAWNEER BRONZE TABLETS

Kawneer Bronze Tablets are fashioned and cast to architect's requirements by skilled artists who have specialized in this work for years. Letters and designs are sharp and clean-cut—these tablets are noted for their fine quality and craftsmanship.

**KAWNEER GRILLS AND
THRESHOLDS**

Stamped rustless metal grilles are available in a number of stock designs. Special designs or sizes are cut or cast to architect's requirements in various suitable metals. Thresholds come in both cold-rolled and extruded types in brass, bronze, or aluminum, and in standard designs.

**KAWNEER WINDOW
VENTILATORS**

These practical window ventilators admit plenty of fresh air without draft—hold plate glass or other shield in position to keep out rain, snow, or dust. They may be easily and quickly installed by anyone. May be detached without defacing window jamb. Write for folder.

**KAWNEER ORNAMENTAL METAL
WORK**

Kawneer supplies a wide variety of sharp, clean-cut architectural castings and metal work in bronze, nickel silver, aluminum alloy and other metals for store front or interior use. Such items include decorative units, metal letters, stair rails and newels, railings, sliding gates, pedestals, transoms, and screens.

KAWNEER SHOWER-STALL DOORS

Kawneer Shower Stall Doors are rustless and watertight; come in bronze chromium plated, or nickel silver. Corners are firmly welded—no sagging or bending. Members are smaller and lines finer, yet they retain maximum strength and rigidity. Suggestions for meeting special requirements will be gladly made on request.

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